



1/7

SEQUENCE LISTING

<110> Le, Junming
Vilcek, Jan
Daddona, Peter
Ghrayeb, John
Knight, David M.
Siegel, Scott

<120> Anti-TNF Antibodies and Peptides of
Human Tumor Necrosis Factor

<130> 0975.1005-006

<140> US 09/756,398

<141> 2001-01-08

<150> U.S. 09/133,119

<151> 1998-08-12

<150> U.S. 08/570,674

<151> 1995-12-11

<150> U.S. 08/324,799

<151> 1994-10-18

<150> U.S. 08/192,102

<151> 1994-02-04

<150> U.S. 08/192,861

<151> 1994-02-04

<150> U.S. 08/192,093

<151> 1994-02-04

<150> U.S. 08/010,406

<151> 1993-01-29

<150> U.S. 08/013,413

<151> 1993-02-02

<150> U.S. 07/943,852

<151> 1992-09-11

<150> U.S. 07/853,606

<151> 1992-03-18

<150> U.S. 07/670,827

<151> 1991-03-18

<160> 19

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 157

<212> PRT

<213> Homo sapiens

<400> 1

```

Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 1           5           10           15
Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
          20           25           30
Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
          35           40           45
Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
 50           55           60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
65           70           75           80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
          85           90           95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
          100          105          110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
          115          120          125
Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
130          135          140
Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
145          150          155

```

<210> 2

<211> 321

<212> DNA

<213> Mus Balb/c

<220>

<221> CDS

<222> (1)...(321)

<400> 2

```

gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga   48
Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1           5           10           15

gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
          20           25           30

atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
          35           40           45

aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
          50           55           60

agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
          65           70           75           80

gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
          85           90           95

```

acg ttc ggc tcg ggg aca aat ttg gaa gta aaa
 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
 100 105

321

<210> 3
 <211> 107
 <212> PRT
 <213> Mus Balb/c

<400> 3
 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1 5 10 15
 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
 20 25 30
 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
 35 40 45
 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
 65 70 75 80
 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
 85 90 95
 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
 100 105

<210> 4
 <211> 357
 <212> DNA
 <213> Mus Balb/c

<220>
 <221> CDS
 <222> (1)...(357)

<400> 4
 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
 20 25 30
 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35 40 45
 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 50 55 60
 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 65 70 75 80
 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr

	85	90	95	
tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa				336
Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln				
	100	105	110	
ggc acc act ctc aca gtc tcc				357
Gly Thr Thr Leu Thr Val Ser				
	115			

<210> 5
 <211> 119
 <212> PRT
 <213> Mus Balb/c

<400> 5																			
Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly																			
1		5					10				15								
Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His																			
	20					25					30								
Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val																			
	35					40					45								
Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu																			
	50					55					60								
Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala																			
65					70					75									80
Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr																			
		85							90										95
Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln																			
	100						105												110
Gly Thr Thr Leu Thr Val Ser																			
	115																		

<210> 6
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 6
 Gly Thr Leu Val Thr Val Ser Ser
 1 5

<210> 7
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 7
 Gly Thr Lys Leu Glu Ile Lys
 1 5

<210> 8
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 8
cctggatacc tgtgaaaaga

20

<210> 9
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 9
cctgggtacct tagtcaccgt ctctctca

27

<210> 10
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 10
aatagatatc tccttcaaca cctgcaa

27

<210> 11
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 11
atcgggacaa agttggaaat a

21

<210> 12
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 12
ggcgggtctgg taccgg

16

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 13
gtcaacaaca tagtcatca 19

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 14
cacaggtgtg tccccaagga aaa 23

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 15
aatctggggg aggcacaa 18

<210> 16
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 16
agtgtgtgtc cccaagg 17

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 17
cacagctgcc cgcccaggtg gcat 24

<210> 18

<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 18
gtcgccagtg ctccctt 17

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR oligonucleotides

<400> 19
atcggacgtg gacgtgcaga 20